

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

In Re:

APPLICATION OF NORTH ATLANTIC TOWERS, LLC
and NEW CINGULAR WIRELESS PCS, LLC (AT&T)
FOR A CERTIFICATE OF ENVIRONMENTAL
COMPATIBILITY AND PUBLIC NEED FOR THE
CONSTRUCTION, MAINTENANCE AND OPERATION
OF A TELECOMMUNICATIONS TOWER FACILITY AT
655 BASSET ROAD IN THE TOWN OF WATERTOWN

DOCKET NO. 422

December 23, 2011

APPLICANTS

NORTH ATLANTIC TOWERS, LLC and NEW CINGULAR WIRELESS PCS, LLC ("AT&T")
SUPPLEMENTAL INFORMATION

Applicants North Atlantic Towers, LLC and New Cingular Wireless PCS, LLC (AT&T), respectfully submit this supplemental information in the captioned proceeding.

I. Updated Facility Location at the Subject Site and Redesigned Access Drive

Included in Attachment 1 are drawings depicting the relocation of the proposed facility at the subject site approximately 200' south of the originally proposed location.¹ The height of the proposed facility, 150' AGL, will not change as a result of this relocation. The enclosed drawings also detail:

- The redesign of the new section of the proposed access drive from the point of the existing Town right-of-way to the relocated facility; and
- The proposed improvements to the Town right-of-way (Linkfield Road).

As shown in the drawings in Attachment 1, the distance of the new portion of the redesigned access drive from the point of the Town right-of-way to the facility is approximately 1,000'. The proposed access drive now includes a "two-point" turn area and will be accessible by emergency vehicles.

The attached drawings include details of the proposed upgrades to the existing unimproved Town right-of-way, Linkfield Road, which include a 6'' minimum gravel surface and the maintenance of the existing road grades. These improvements were designed after consultation with the Town Engineer.

An updated topographical map and aerial map are also provided in Attachment 1.

¹ Four (4) sets of full sized drawings of Drawings Z2 and Z5 were submitted for the bulk file in this proceeding.

II. Visual Analysis and Report

Annexed hereto as Attachment 10 is an updated Visual Resource Evaluation Report. Affidavits of the noticed balloon floats that took place on November 3rd and 9th, 2011 are included in Attachment 2. The visual analysis was conducted at the facility location shown in the drawings in Attachment 1 (approximately 200 feet south of the originally proposed location at the subject site).

The enclosed Visual Resource Evaluation Report demonstrates that no visibility is anticipated from the perimeter and central portions of the Evergreen Berry Farm on the Alexs' property located at 435 Bassett Road. In addition, the proposed facility is not expected to be visible from the Mattatuck Trail, Crestbrook Park, Echo Lake recreational area, Black Rock Lake, Black Rock State Park, Humaston Brook State Park Scenic Reserve, Nystroms Park, Smith Pond or Echo Lake.

The report concludes that leaf-on visibility of the tower is expected from approximately 259 acres of the 8,042 acre study area with 93 of those acres occurring over open water on the Morris Reservoir and the Wigwam Reservoir, both of which are not publically accessible. As indicated in the report, the total area of leaf-off visibility is expected to be the same as the anticipated visibility during leaf-on conditions. The report also concludes that upper portions of the proposed facility will be visible year-round from approximately ten residences.

The enclosed Visual Resource Evaluation Report includes photosimulations of various screening options. As noted therein, given the character of the surrounding area, the "low-profile" monopole style tower is an appropriate screening option for this site.

The report also addresses visibility from a facility located within the Gustafson's Apple Orchard located south-east of the proposed facility. As noted therein, a facility at this location will be more visible than the proposed facility given the need for a taller tower at this location and the lack of screening in this area.

It is respectfully submitted that the attached Visual Resource Evaluation Report demonstrates that the proposed facility will not have an adverse visual impact.

III. Additional RF Materials

Included in Attachment 3 are plots of the sites that were investigated and rejected because a facility at these locations would not provide adequate service. Details of these "RF rejected" sites are included in the Site Search Summary (Applicants Exhibit 6) and include:

- Site number 4 (1206 Bassett Road);
- Site number 7 (0 Buckingham Street Extension – the Town water tank site);
- Site number 8 (0 Thomaston Road – the Town owned site); and
- Site number 9 (1150 Bassett Road).

The enclosed plots clearly demonstrate that none of these sites are viable from an RF perspective.

As indicated by the testimony at the October 27th hearing, the Town-owned Crestbrook Park location, site number 3 in the Site Search Summary (Applicants Exhibit 6), was acceptable from an RF perspective when initially reviewed by AT&T's RF engineers. As noted in the Site Search Summary the other Town-owned site, site number 8 in the Site Search Summary, was not acceptable because a facility at this location would not provide adequate service. The propagation plot demonstrating that this Town owned location would not meet the coverage objectives of this area is included in Attachment 3. Moreover, as indicated at the hearing, the proposed site at 655 Bassett Road provides improved service over the Crestbrook Park site.

In addition, the RF testimony at the October 27th hearing confirmed that two sites would be necessary to provide reliable service to this area of Watertown. As shown in the propagation plot included in Attachment 1 of the Application (Applicants Exhibit 1) and discussed at the hearing, an additional facility is needed to provide service to the areas south of the proposed facility. Per the RF testimony at the hearing, moving the proposed site further south would result in gaps to the north. Consequently, this area of Watertown cannot be served by one facility.

Included in Attachment 4 is a propagation plot of the CL&P structure in the area. This plot was generated using a height of 190' AGL and clearly demonstrates that a facility on the CL&P structure would not provide service to the area where service is needed. Therefore, the CL&P structures are not viable alternatives to the proposed facility site.

Also included in Attachment 4 is a propagation plot of a 190' facility located within the Gustafson's Apple Orchard, which is located south-east of the proposed facility location. As shown in the enclosed propagation plot, a 190' tall facility at this location results in gaps to the north as the topography to the north and east of the Apple Orchard causes degradation in the signal level along Route 109.

Included in Attachment 5 is an updated table of existing, surrounding AT&T sites. This table was provided in Tab 1 of the Application (Applicants Exhibit 1). The enclosed table includes an additional column that sets forth the distance of each existing AT&T site to the proposed facility site.

As shown in the propagation plots included in Attachment 3, a facility on the existing water tank (site number 7 in the Site Search Summary) would not meet the coverage objectives for this area of Watertown. At the October 27th hearing, there was some discussion regarding the viability of a new tower site at this water tank location. Given the distance of this site to the area where service is needed, a new tower facility at the water tank premises would not provide adequate service. It should also be noted that ground space at the water tank premises is limited for accommodating a tower facility.

CERTIFICATE OF SERVICE


I hereby certify that on this day, a copy of the foregoing was sent by electronic mail and overnight mail to the Connecticut Siting Council and:

Charles Frigon
Town Manager
Town of Watertown
424 Main Street
Watertown, CT 06795
(860) 945-5255
frigon@watertownct.org

Paul R. Jessel, Esq.
Slavin, Stauffacher & Scott, LLC
27 Siemon Company Drive, Suite 300W
Watertown, CT 06795
(860)-274-2511
pjessell@sssattorneys.com

Robert and Cathleen Alex
435 Bassett Road
Watertown, CT 06795
(860) 274-7920
Bobcat230@gmail.com

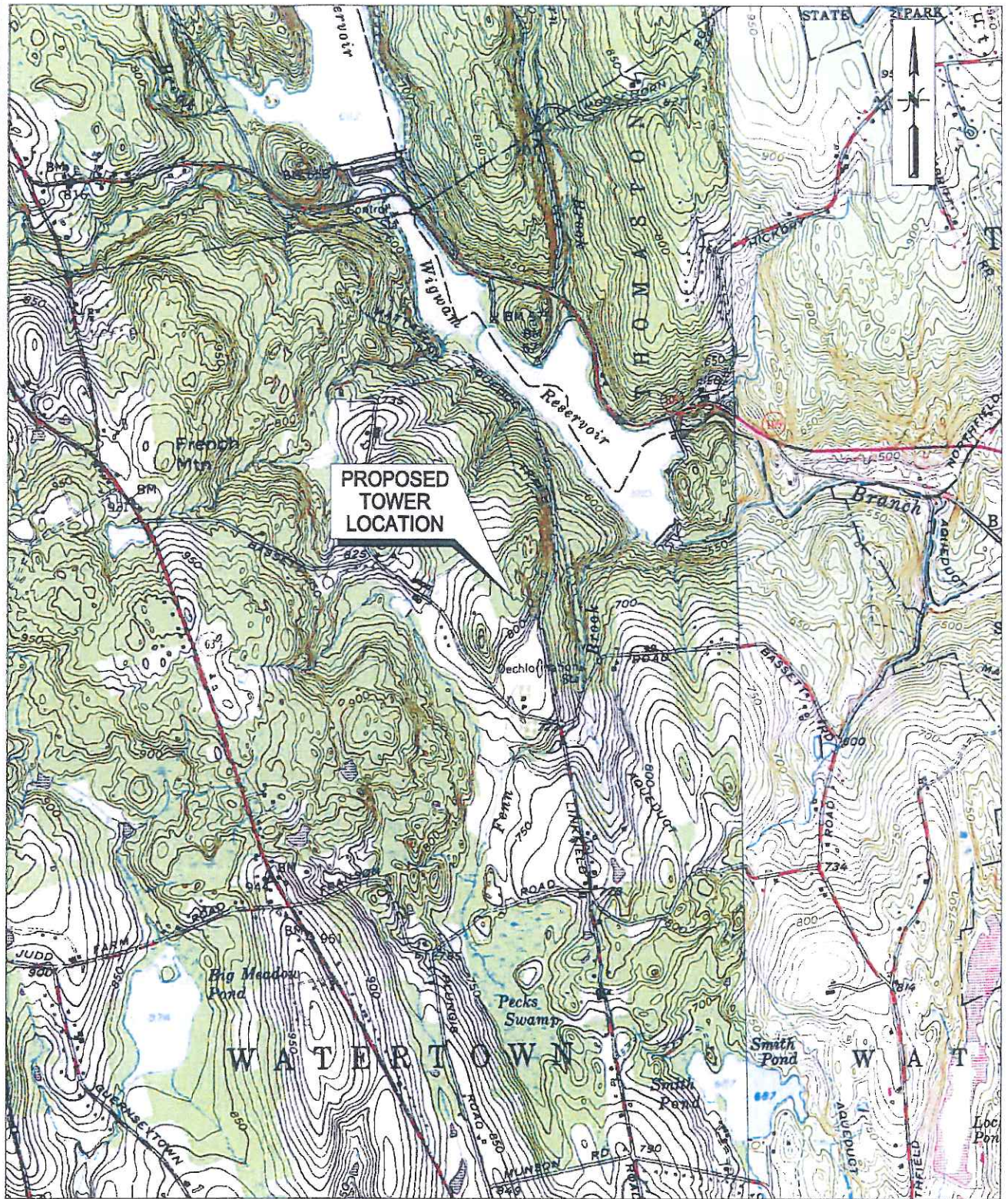
Dated: December 23, 2011



Lucia Chiochio

cc: John Stevens, North Atlantic Towers, LLC
Michele Briggs, AT&T
Randy Howse, SAI
John Favreau, Infinigy Engineering
Mike Doiron, SAI
David Vivian, SAI

File: N:\FLORIDATOWERPARTNERS\226-015 - WATERTOWN (CT1140)\USGS\SITELOCATIONMAP.DWG Saved: 12/7/2011 10:01:57 AM Plotted: 12/7/2011 10:02:25 AM User: Mike Bourgeois

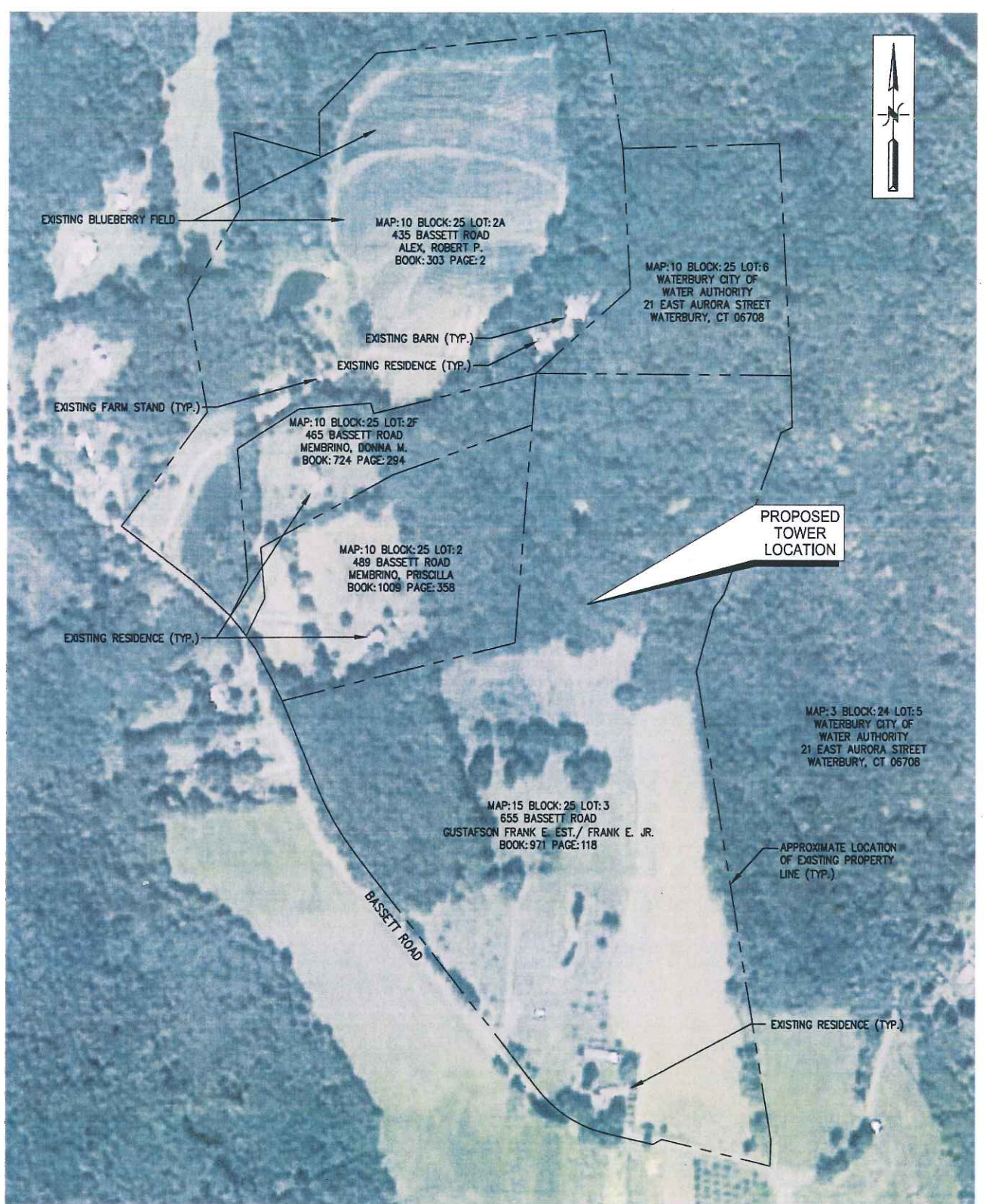


SOURCE: USGS
QUADRANGLE: Litchfield, Conn. & Thomaston, Conn.

Figure Number: ___ 1
Project Number: ___ 226-015
Scale: _____ 1" = 2000'
Date: _____ 12/06/2011

SITE LOCATION MAP
PROPOSED CELLULAR TOWER
655 Bassett Road
Watertown, CT
Project Sponsor: North Atlantic Towers

infinigy
engineering
11 Herbert Drive
Latham, New York 12110
(518) 680-0790



SOURCE: GOOGLE EARTH
 QUADRANGLE: Litchfield, Conn. & Thomaston, Conn.

Figure Number: ___ 1
 Project Number: ___ 226-015
 Scale: _____ N.T.S.
 Date: _____ 12/09/2011

ABUTTERS MAP OVERLAY
 PROPOSED CELLULAR TOWER
 655 Bassett Road
 Watertown, CT
 Project Sponsor: North Atlantic Towers

infinigy
 engineering

11 Herbert Drive
 Latham, New York 12110
 (518) 690-0790

PROJECT DESCRIPTION:

CONSTRUCTION OF PUBLIC UTILITY/PERSONAL WIRELESS SERVICE FACILITY CONSISTING OF A MONOPOLE TOWER, INITIALLY (1) EQUIPMENT SHELTER, AND A UTILITY BACKBOARD WITHIN A FENCED COMPOUND. NO WATER OR SEWER IS REQUIRED.

CODE COMPLIANCE:

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE LATEST EDITIONS OF THE FOLLOWING:

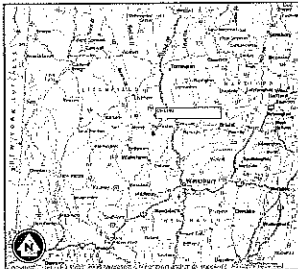
- | | |
|--|---------------------------|
| 1. CT BUILDING CODE | 5. ANSI/TIA/EIA-222-G |
| 2. UNIFORM BUILDING CODE | 6. UNIFORM PLUMBING CODE |
| 3. BUILDING OFFICIALS AND CODE ADMINISTRATORS (BOCA) | 7. NATIONAL ELECTRIC CODE |
| 4. UNIFORM MECHANICAL CODE | 8. LOCAL BUILDING CODE |
| | 9. CITY/COUNTY ORDINANCES |

NORTH ATLANTIC



TOWERS

WATERTOWN
SITE ID: CT1140
 655 BASSETT RD.
 WATERTOWN, CT 06795



VICINITY MAP
N.T.S.



LOCATION MAP
N.T.S.

infinigy
 engineering

11 HERBERT DRIVE
 LATHAM, NY 12110
 OFFICE #: (518) 890-0790
 FAX #: (518) 690-0793

PROPOSED TOWER HEIGHT: ±150' AGL
 LATITUDE: 41° 39' 26" N (APPROX.)
 LONGITUDE: 73° 08' 11" W (APPROX.)
 ELEVATION: ±833' AGL (APPROX.)

LITCHFIELD COUNTY, CONNECTICUT

DIG ALERT:
 CALL FOR UNDERGROUND UTILITIES PRIOR TO DIGGING:
 1-888-922-4455
EMERGENCY:
 CALL 911

PROJECT INFORMATION

SITE NAME: WATERTOWN
SITE ID: CT1140
SITE ADDRESS: 655 BASSETT ROAD
 WATERTOWN, CT 06795
ZONING JURISDICTION: TOWN OF WATERTOWN
ZONING CLASSIFICATION: R-90, RESIDENTIAL
PARCEL I.D. (4/9/1/1): 15/26/3111
ACCOUNT NUMBER: 3392
PARCEL SIZE: ± 51.53 ACRES
CONSTRUCTION AREA: ± 63,000 SQ FT (INCL. UNFIELD RD UPGRADE)
LATITUDE: 41° 39' 26" N (APPROX.)
LONGITUDE: 73° 08' 11" W (APPROX.)

PROJECT DIRECTORY

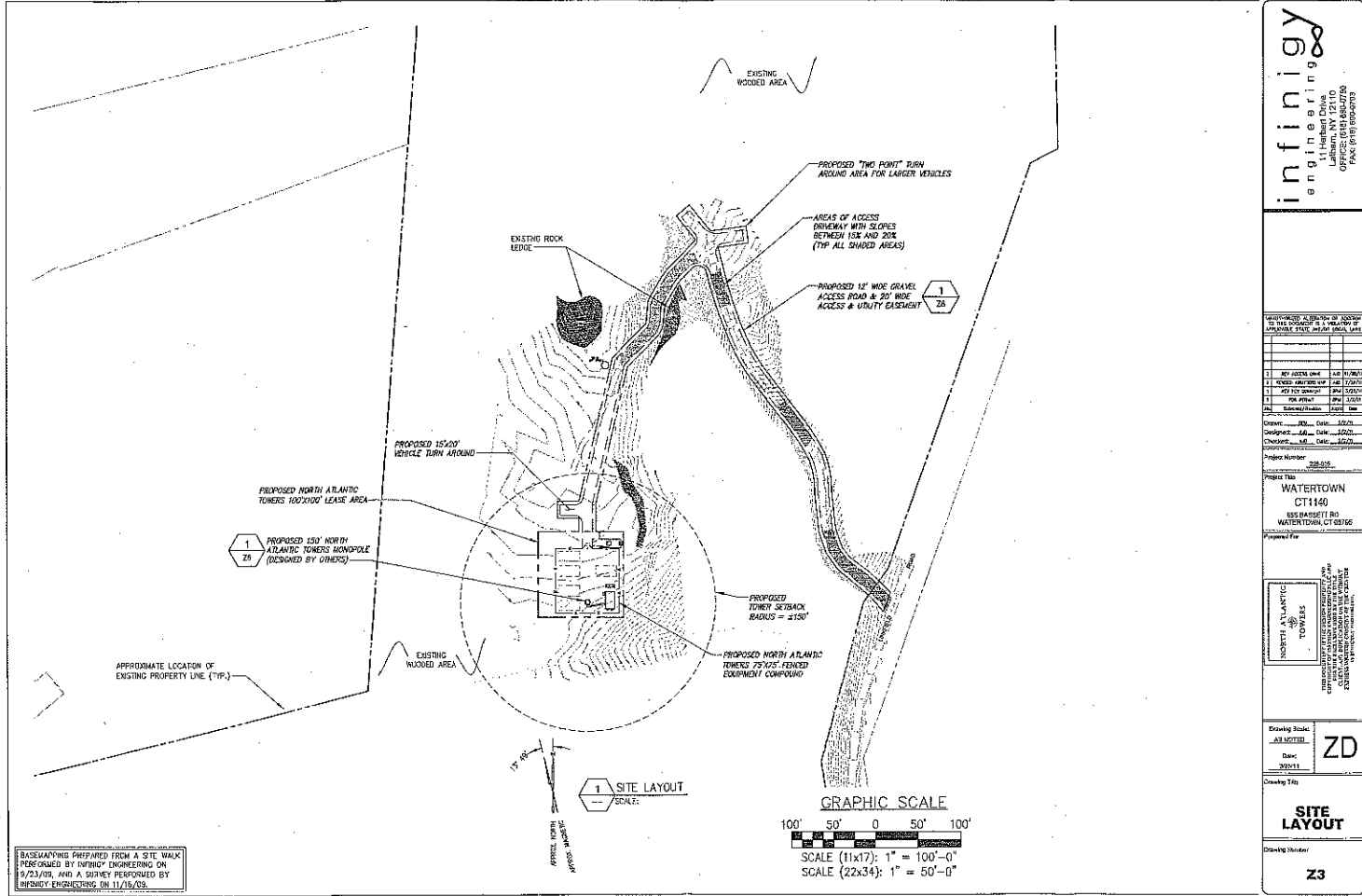
PROPERTY OWNER: GUSTAFSON FRANK E EST/FRANK E JR & ALAN R CO EXEC'S/FRANK E, ALAN R, PETER (860) 274-5092
APPLICANT: NORTH ATLANTIC TOWERS
 1001 3RD AVE WEST, SUITE 420
 BRADENTON, FL 34205
 ROGER LAPERRA
 (941) 757-3010
ENGINEER: INFINIGY ENGINEERING PLLC
 11 HERBERT DRIVE
 LATHAM, NY 12110
 A.J. DESARIS
 (518) 890-0790
ATTORNEY: CUDJOY & FEUER LLP
 442 HAMILTON STREET, 14TH FLOOR
 WHITE PLAINS, NY 10601
 LUCKA CHOODOG, ESQ
 (914) 781-1300

POWER COMPANY: UNITED ILLUMINATING

TELCO COMPANY: TED

DRAWING INDEX

DRWG. #	TITLE	REV.#	DATE
T1	TITLE SHEET	3	11/28/11
Z1	ASBUTTS MAP	3	11/28/11
Z2	OVERALL SITE PLAN	3	11/28/11
Z3	SITE LAYOUT	3	11/28/11
Z4	ENLARGED SITE LAYOUT	3	11/28/11
Z5	GRADING PLAN	3	11/28/11
Z6	ELEVATION VIEW & DETAILS	3	11/28/11
Z7	DETAILS	3	11/28/11
Z8	DETAILS	3	11/28/11
Z9	DETAILS	3	11/28/11
Z10	DETAILS	3	11/28/11



BASELAPPING PREPARED FROM A SITE WALK PERFORMED BY INFINIGY ENGINEERING ON 9/23/09, AND A SURVEY PERFORMED BY HINNEY ENGINEERS, ON 11/25/09.

NO.	DESCRIPTION	DATE	BY
1	REV. DESIGN	10/16/09	LAB
2	REV. DESIGN	10/16/09	LAB
3	REV. DESIGN	10/16/09	LAB
4	REV. DESIGN	10/16/09	LAB
5	REV. DESIGN	10/16/09	LAB
6	REV. DESIGN	10/16/09	LAB
7	REV. DESIGN	10/16/09	LAB
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9	REV. DESIGN	10/16/09	LAB
10	REV. DESIGN	10/16/09	LAB

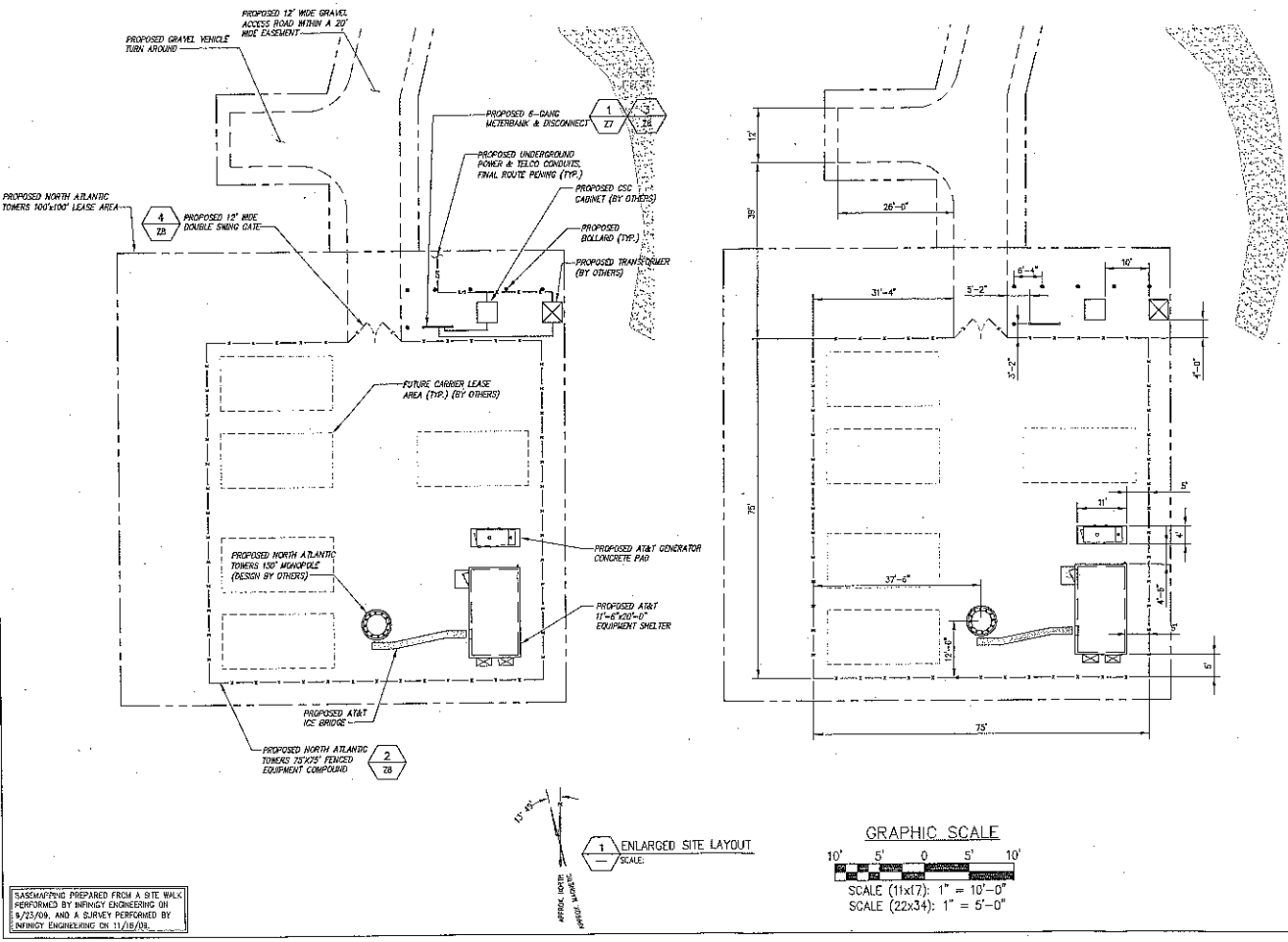
Project No. 09-015
 Project Title
WATERTOWN CT#149
 800 BARRETT RD
 WATERTOWN, CT 06195

Drawn By: JLD
 Checked: JLD
 Date: 10/16/09

Drawing Title
ZD

Scale
SITE LAYOUT
 Drawing Number
Z3

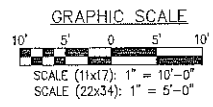
GRAPHIC SCALE
 SCALE (11x17): 1" = 100'-0"
 SCALE (22x34): 1" = 50'-0"



BASEMAPING PREPARED FROM A SITE WALK PERFORMED BY INFINIGY ENGINEERING ON 5/23/09, AND A SURVEY PERFORMED BY INFINIGY ENGINEERING ON 11/18/09.



1 ENLARGED SITE LAYOUT SCALE



NO.	REVISION	DATE	BY	CHKD.
1	ISSUED FOR PERMIT	11/18/09	ZD	
2	REVISED PER	11/18/09	ZD	
3	REVISED PER	11/18/09	ZD	
4	REVISED PER	11/18/09	ZD	
5	REVISED PER	11/18/09	ZD	
6	REVISED PER	11/18/09	ZD	
7	REVISED PER	11/18/09	ZD	
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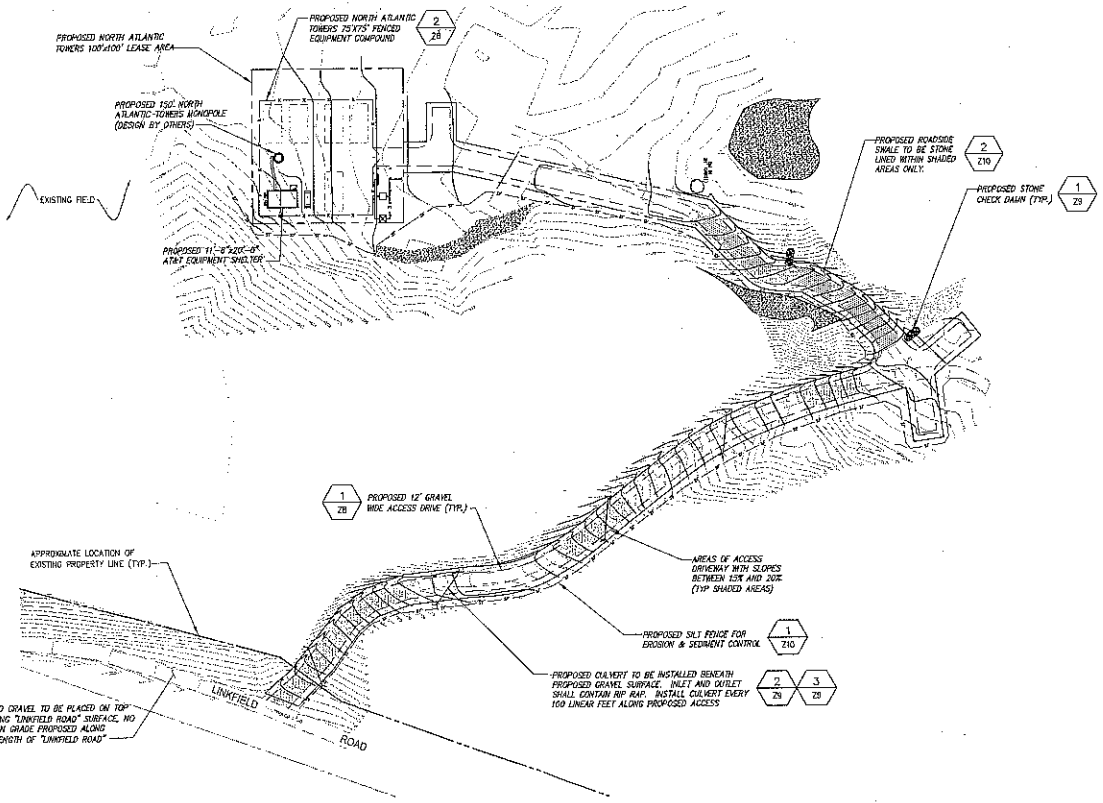
Project Number: 220430
 Project Title: WATERTOWN CT1140
 855 BASSETT RD
 WATERTOWN, CT 06728

Prepared For:
 PROPOSED ATLANTIC TOWERS
 TRANSMISSION LINE DISCONTINUITY AND CONDUCTOR TENSIONING AND REPLACEMENT PROJECT
 11000 WATERTOWN ROAD
 WATERTOWN, CONNECTICUT 06728

Drawing Scale: AS NOTED
 Date: 3/28/11

Enlarged Site Layout

Drawing Number: 24



1A
2B
PROPOSED GRAVEL TO BE PLACED ON TOP OF EXISTING "LINKFIELD ROAD" SURFACE. NO CHANGE IN GRADE PROPOSED ALONG ENTIRE LENGTH OF "LINKFIELD ROAD"

1
2B
PROPOSED 12' GRAVEL WIDE ACCESS DRIVE (TYP.)

AREAS OF ACCESS DRIVEWAY WITH SLOPES BETWEEN 10% AND 20% (TYP. SHADED AREAS)

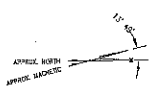
1
210
PROPOSED SILT FENCE FOR EROSION & SEDIMENT CONTROL

2
3
2B
2B
PROPOSED CULVERT TO BE INSTALLED BENEATH PROPOSED GRAVEL SURFACE. INLET AND OUTLET SHALL CONTAIN RIP RAP. INSTALL CULVERT EVERY 100 LINEAR FEET ALONG PROPOSED ACCESS

2
E10
PROPOSED ROADSIDE SLOPE TO BE STONE LINED WITHIN SHADED AREAS ONLY.

1
2B
PROPOSED STONE CHECK DAM (TYP.)

APPROXIMATE LOCATION OF EXISTING PROPERTY LINE (TYP.)



1
GRADING PLAN
SCALE:

GRAPHIC SCALE
60' 30' 0 30' 60'
SCALE (11x17): 1" = 60'-0"
SCALE (22x34): 1" = 30'-0"

BASELAPPING PREPARED FROM A SITE WALK PERFORMED BY INFINGY ENGINEERING ON 8/23/09, AND A SURVEY PERFORMED BY INFINGY ENGINEERING ON 11/16/09.

REVISIONS	DATE	BY	CHKD.

Project Number: 208215
Project Title: WATERTOWN CT1140
658 BARKETT RD WATERTOWN, CT 06195

Professional Engineer
NORTH ATLANTIC TOWERS
DESIGNED BY INFINGY ENGINEERING, INC.
CHECKED BY INFINGY ENGINEERING, INC.
DATE: 11/16/09

Drawing Scale: AS SHOWN
Date: 2/25/11
ZD

Drawing Title: GRADING PLAN

Drawing Number: Z5

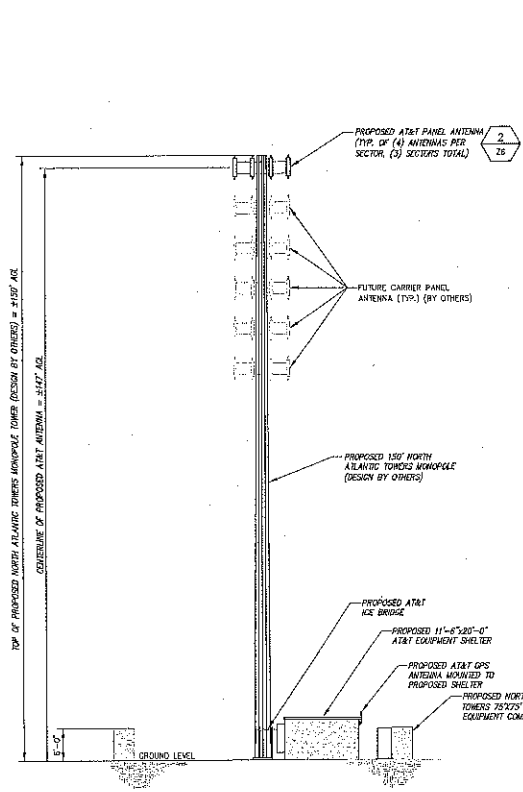
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2	REVISED BY	DATE
3	REVISED BY	DATE
4	REVISED BY	DATE
5	REVISED BY	DATE
6	REVISED BY	DATE
7	REVISED BY	DATE
8	REVISED BY	DATE
9	REVISED BY	DATE
10	REVISED BY	DATE

Project Number: Z6-015
 Drawing Title: **WATERTOWN CT1140**
 600 BAYSETT RD
 WATERTOWN, CT 06795

Prepared By: [Signature]
 Checked By: [Signature]
 Date: [Date]

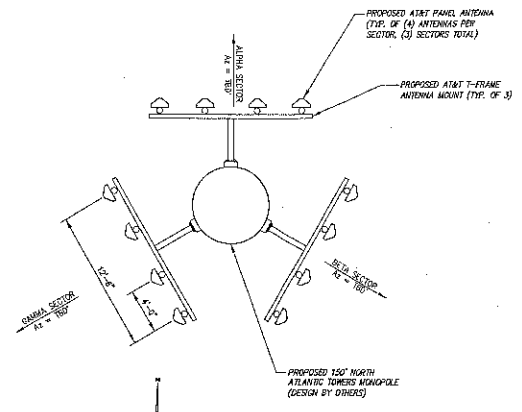
Drawing Block: **ZD**
 ELEVATION VIEW & DETAILS

Drawing Title: **ELEVATION VIEW & DETAILS**
 Drawing Number: **Z6**

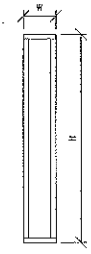


1 TOWER ELEVATION VIEW
 NOT TO SCALE

STRUCTURAL ANALYSIS NOT COMPLETED AT TIME OF ISSUANCE OF THESE DRAWINGS. THE STRUCTURAL ANALYSIS MUST BE COMPLETED PRIOR TO CONSTRUCTION.
 PROPOSED ANTENNA RAD CENTER IS PRELIMINARY AND IS SUBJECT TO CHANGE WITH FINAL RF CONFIGURATION BY AN ENGINEER.

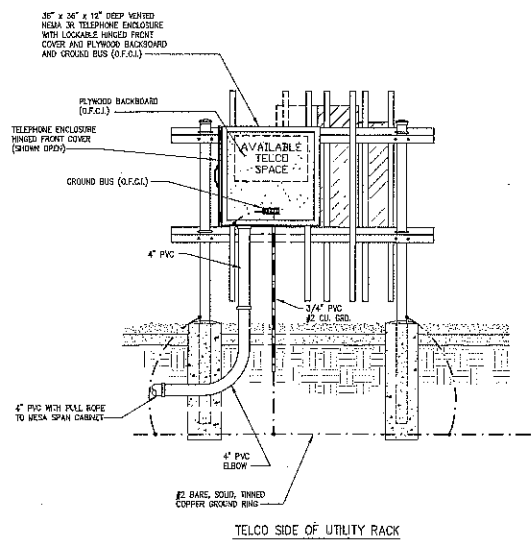
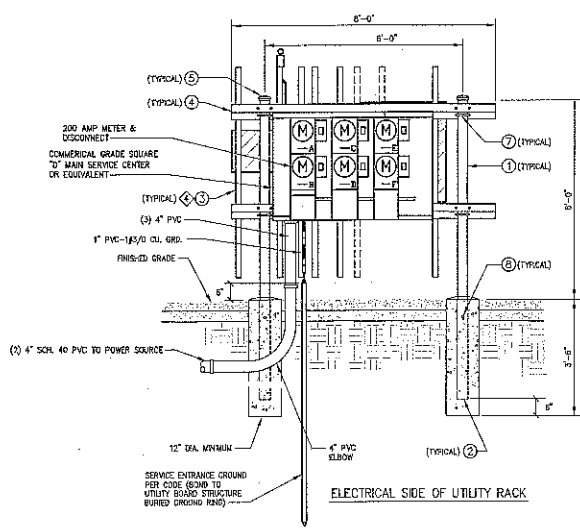


2 ANTENNA ORIENTATION
 NOT TO SCALE



ANTENNA MODEL #	H	W	D
KATHREIN 600-10764	55.2"	11.8"	6"

3 ANTENNA DIMENSIONS
 NOT TO SCALE



PARTS LIST - O.F.C.L.

ITEM	DESCRIPTION	QTY.
①	84" x 3.5" O.D. PIPE	2
②	36" INSERT	2
③	VERTICAL MEMBER	9
④	HORIZONTAL MEMBER	4
⑤	3-1/2" O.D. PIPE CAP	2
⑥	3/8" ANGLE ADAPTOR	38
⑦	1/2 x 3-5/8 x 5" GALV. U-BOLT ASSY.	8
⑧	1/2 x 1-1/2" GALV. BOLT ASSY.	2
⑨	3/8 x 3/4" GALV. BOLT ASSY.	38
⑩	3/8" GALV. FLAT WASHER	38

* NOT SHOWN
* TO PREVENT CORROSION, ENSURE THAT THE PIPE SLEEVE IS COMPLETELY BELOW GROUND LEVEL AND ENCASED IN CONCRETE.

UTILITY RACK DETAILS
NOT TO SCALE

- NOTES:**
- UNLESS OTHERWISE NOTED, ALL UNDERGROUND PVC TO BE SCH 40.
 - ALL ABOVE GRADE PVC TO BE SCH 40. ALL CONNECTIONS TO BE SCH 40 PVC OR SEALTIGHT. VERIFY WITH CONSTRUCTION MANAGER PRIOR TO BID.
 - ALL WIRE CONNECTIONS & CONDUITS TO BE SUPPLIED BY CONTRACTOR UNLESS OTHERWISE NOTED OR SPECIFIED BY CONSTRUCTION MANAGER.
- ◆ ADDITIONAL ANGLE ADAPTORS (NOT SHOWN) ARE USED TO MOUNT SERVICE BONES TO THE VERTICAL MEMBERS.

REVISIONS

NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Project Name: **WATERTOWN**
CT1140
655 BALSCTY RD
WATERTOWN, CT 06195

Project Number: 238265

Prepared by: **AD**

Checked by: **AD**

Drawn by: **AD**

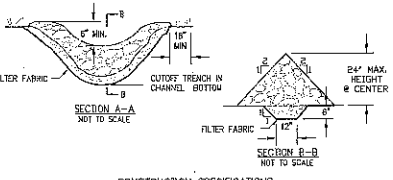
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Drawing Title: **DETAILS**

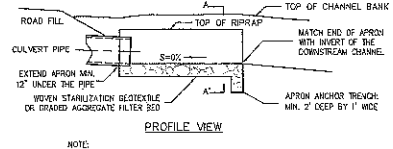
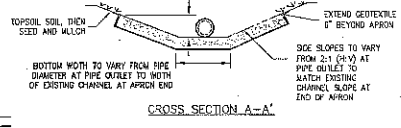
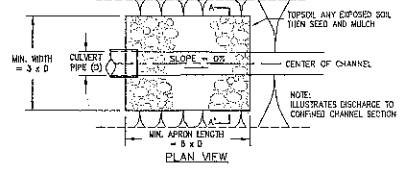
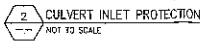
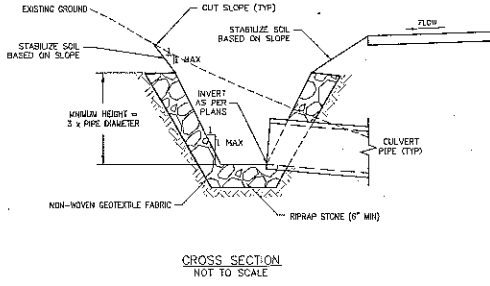
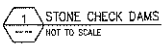
ADMITTED: **ZD**

Date: **2/20/11**

Drawing No: **Z7**

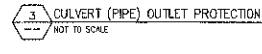


- STONE WILL BE PLACED ON A FILTER FABRIC LAYER IN THE TRENCH TO THE LINES, GRADES AND LOCATIONS SHOWN IN THE EROSION AND SEDIMENT CONTROL PLAN.
- EXTEND THE STONE A MINIMUM OF 18 INCHES BEYOND THE DITCH SIDE SLOPES TO PREVENT CUTTING AROUND THE DAM. ENSURE CREST IS 6" LOWER THAN SIDES.
- PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SOIL AND EROSION WITH A STONE SPLASH PAD OR EXTEND THE FILTER FABRIC LAYER.
- ENSURE THAT CHANNEL APPURTENANCES (i.e. CULVERTS OR CATCH BASINS) BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE.
- MAINTENANCE - REMOVE ACCUMULATED SEDIMENT FROM BEHIND CHECK DAMS, REPAIR ANY SIDE SLOPES THAT HAVE ERODED, AND REPLACE ANY OF THE DISPLACED STONE.



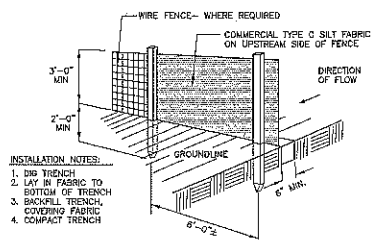
NOTE:
 MINIMUM DEPTH OF RIPRAP = MAXIMUM DEPTH OF CHANNEL FLOW
 (CALCULATED DIAMETER OF CHANNEL DEPTH, BROUWER'S EQUATION)

*SEE TABLE BELOW FOR APRON LENGTH AND WIDTH DIMENSIONS



UNLESS NOTED OTHERWISE ALL DIMENSIONS ARE IN FEET AND INCHES AND ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.	
1	REV. 01/20/01
2	REV. 02/15/01
3	REV. 03/15/01
4	REV. 04/15/01
5	REV. 05/15/01
6	REV. 06/15/01
7	REV. 07/15/01
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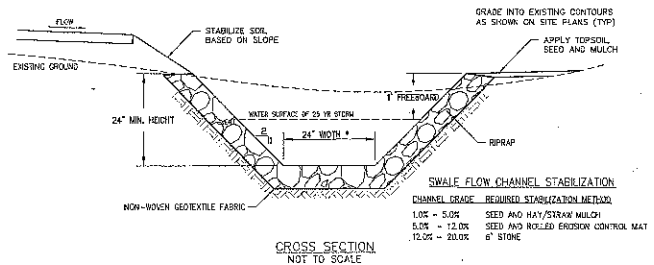
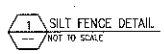
DETAILS



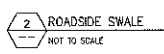
- INSTALLATION NOTES:**
1. DIG TRENCH
 2. LAY IN FABRIC TO BOTTOM OF TRENCH
 3. BACKFILL TRENCH, COVERING FABRIC
 4. COMPACT TRENCH

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

- | | |
|--|---|
| 1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. | POSTS: STEEL EITHER T OR U TYPE. |
| 2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. | FENCE: WOVEN WIRE, 14 GA. 3" MAX. MESH OPENING, AS DIRECTED BY JURISDICTION |
| 3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. | FILTER CLOTH: FILTER X, MIRAFI 100X, STABILINKA T142N OR APPROVED EQUAL. |
| 4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN 'BULGES' DEVELOP IN THE SILT FENCE. | PREFABRICATED UNIT: GEOPAF, ENVIROFENCE OR APPROVED EQUAL. |
| 5. ALL SILT FENCE MATERIALS MUST BE LISTED ON THE CURRENT STATES D.O.T. QUALIFIED PRODUCTS LIST | |



CROSS SECTION
NOT TO SCALE



* SEE GRADING PLAN FOR LOCATIONS OF SWALES AND ADDITIONAL DIMENSIONS WITH ELEVATIONS

UNDESIGNED ELEMENTS ARE SUBJECT TO THE GRADING PLAN AND ANY CHANGES TO THE GRADING PLAN SHALL BE MADE AS SHOWN ON THE GRADING PLAN.	
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280. REV. SWALE	1.00 1/22/17
281. REV. SWALE	1.00 1/22/17

TAB

2

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

In Re:

APPLICATION OF NORTH ATLANTIC
TOWERS, LLC and NEW CINGULAR
WIRELESS PCS, LLC (AT&T) FOR A
CERTIFICATE OF ENVIRONMENTAL
COMPATIBILITY AND PUBLIC NEED FOR
THE CONSTRUCTION, MAINTENANCE AND
OPERATION OF A TELECOMMUNICATIONS
TOWER FACILITY AT 655 BASSET ROAD IN
THE TOWN OF WATERTOWN

DOCKET NO. 422

December 8, 2011

APPLICANTS

NORTH ATLANTIC TOWERS, LLC and NEW CINGULAR WIRELESS PCS, LLC ("AT&T")

AFFIDAVIT REGARDING BALLOON FLOAT

I, John Favreau, do hereby declare and state:

1. I am over the age of 18 years and understand the obligation of making a statement under oath.
2. I am a Director of Environmental Services with Infinigy Engineering PLLC.
3. On Thursday, November 3, 2011, from approximately 9:30 a.m. until 5:30 p.m., I supervised a balloon float at the site of the proposed telecommunication facility at 655 Basset Road, Watertown, Connecticut.
4. The height at which the 3-foot diameter, red-colored balloon was flown was 150 feet, at a location approximately 200 feet south of the location proposed in the Application.
5. Weather conditions during the balloon float included temperatures ranging from approximately 40 to 55 degrees Fahrenheit, with mostly cloudy skies in the morning and mostly sunny skies in the afternoon, and light winds throughout the day.
6. During the time of the balloon float, the balloon did not have to be replaced.
7. Other than time for drive-by and pedestrian reconnaissance along nearby streets and local areas to observe the balloon, I was personally at the site to supervise the balloon float. Throughout the duration of the balloon float, another Infinigy representative (Mark Kiburz) was stationed at the site to observe and monitor the balloon and note direction and extent of deflection due to wind.

8. To confirm and supplement Infinigy Engineering's Visual Resource Evaluation, during my field observation on November 3, 2011, I performed a drive-by reconnaissance along the following roads: Bassett Road; Gilbert Road; Linkfield Road; Hidden Pond Road; Stoney Brook Lane; Route 63; Morris Town Line Road; Route 109 (Thomaston Road/Branch Road); Moosehorn Road; Wigwam Road; Deer Run Road; Babbitt Road; Northfield Road; Old Northfield Road; Bidwell Hill Road; Ice House Road (Echo Lake Recreation Area); Smith Pond Road; Joshua Town Road; Honey Hill Road; and the access road to Crestbrook Park (adjacent to south end of Lockwood Pond). Additionally, I walked the length of the driveway for the Evergreen Berry Farm and walked along the perimeter of the blueberry field at the Evergreen Berry Farm. I also conducted field reconnaissance at the property of #30 Gilbert Road, while accompanied by the property owner.

ATTEST: John L. Favreau
Printed Name: JOHN L. FAVREAU

Subscribed and sworn to before me this 8th day of December, 2011.

Lisa D. Isabella
Notary/Commissioner of the Superior Court

LISA D. ISABELLA
Notary Public, State of New York
No. 01IS6198265
Qualified in Schenectady County
Commission Expires Dec. 15, 2012

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

In Re:

APPLICATION OF NORTH ATLANTIC
TOWERS, LLC and NEW CINGULAR
WIRELESS PCS, LLC (AT&T) FOR A
CERTIFICATE OF ENVIRONMENTAL
COMPATIBILITY AND PUBLIC NEED FOR
THE CONSTRUCTION, MAINTENANCE AND
OPERATION OF A TELECOMMUNICATIONS
TOWER FACILITY AT 655 BASSET ROAD IN
THE TOWN OF WATERTOWN

DOCKET NO. 422

December 8, 2011

APPLICANTS

NORTH ATLANTIC TOWERS, LLC and NEW CINGULAR WIRELESS PCS, LLC ("AT&T")

AFFIDAVIT REGARDING BALLOON FLOAT

I, John Favreau, do hereby declare and state:

1. I am over the age of 18 years and understand the obligation of making a statement under oath.
2. I am a Director of Environmental Services with Infinigy Engineering PLLC.
3. On Wednesday, November 9, 2011, from approximately 10:00 a.m. until 4:30 p.m., I supervised a balloon float at the site of the proposed telecommunication facility at 655 Basset Road, Watertown, Connecticut.
4. The height at which the 3-foot diameter, red-colored balloon was flown was 150 feet, at a location approximately 200 feet south of the location proposed in the Application (the same location at which a balloon float was conducted on November 3, 2011).
5. Weather conditions during the balloon float included temperatures ranging from approximately 45 to 60 degrees Fahrenheit, with sunny skies and light winds throughout the day.
6. During the time of the balloon float, the balloon did not have to be replaced.
7. Other than time for drive-by and pedestrian reconnaissance along nearby streets and local areas to observe the balloon, I was personally at the site to supervise the balloon float. Throughout the duration of the balloon float, another Infinigy representative (Lisa Isabella) was stationed at the site to observe and monitor the balloon and note direction and extent of deflection due to wind.

8. To confirm and supplement Infinigy Engineering's Visual Resource Evaluation, during my field observation on November 9, 2011, I walked the Mattatuck Trail between Route 6 and Route 109.

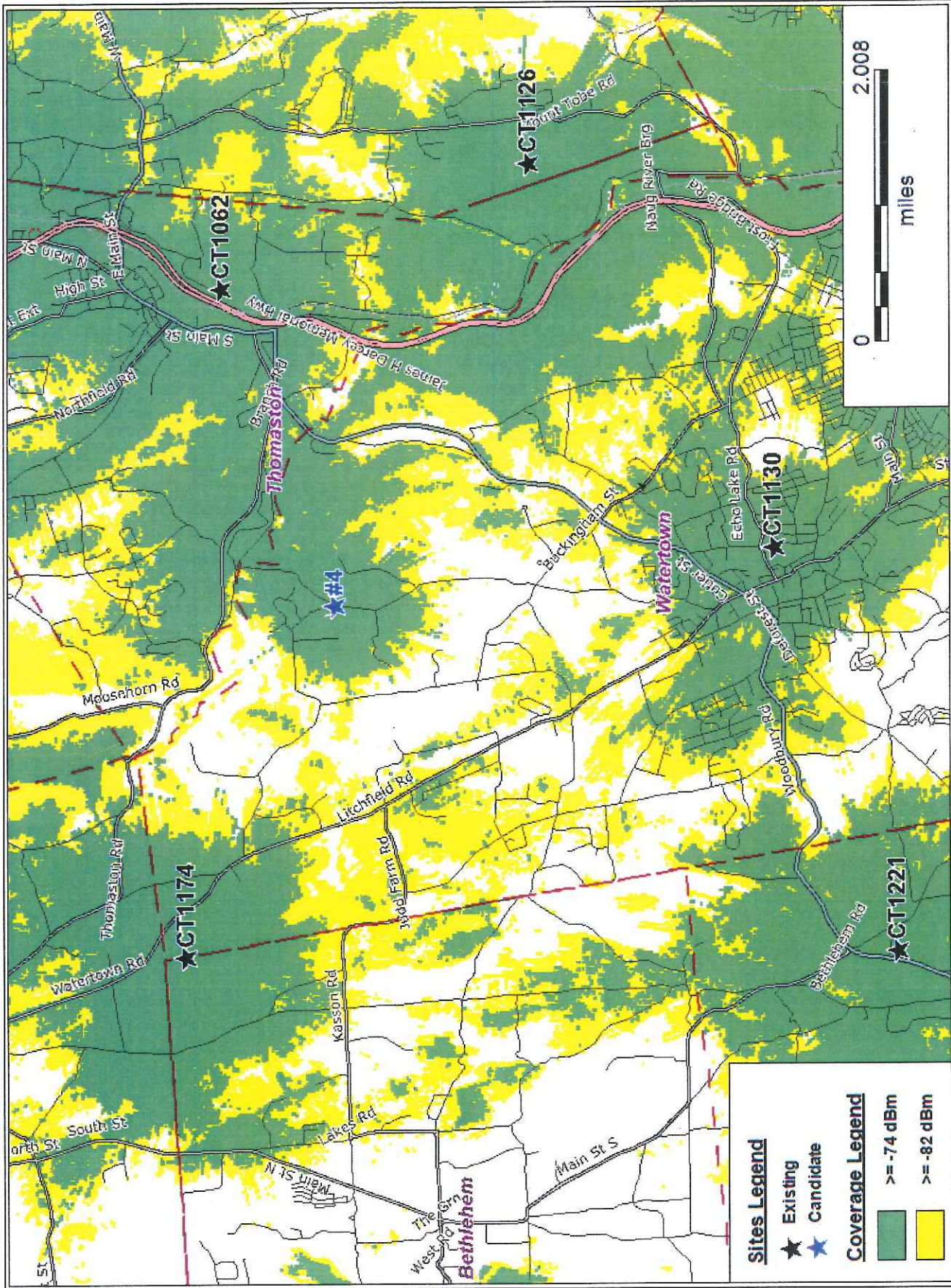
ATTEST: John L. Favreau
(Printed Name: JOHN L. FAVREAU

Subscribed and sworn to before me this 8th day of December, 2011.

Lisa D. Isabella
Notary/Commissioner of the Superior Court

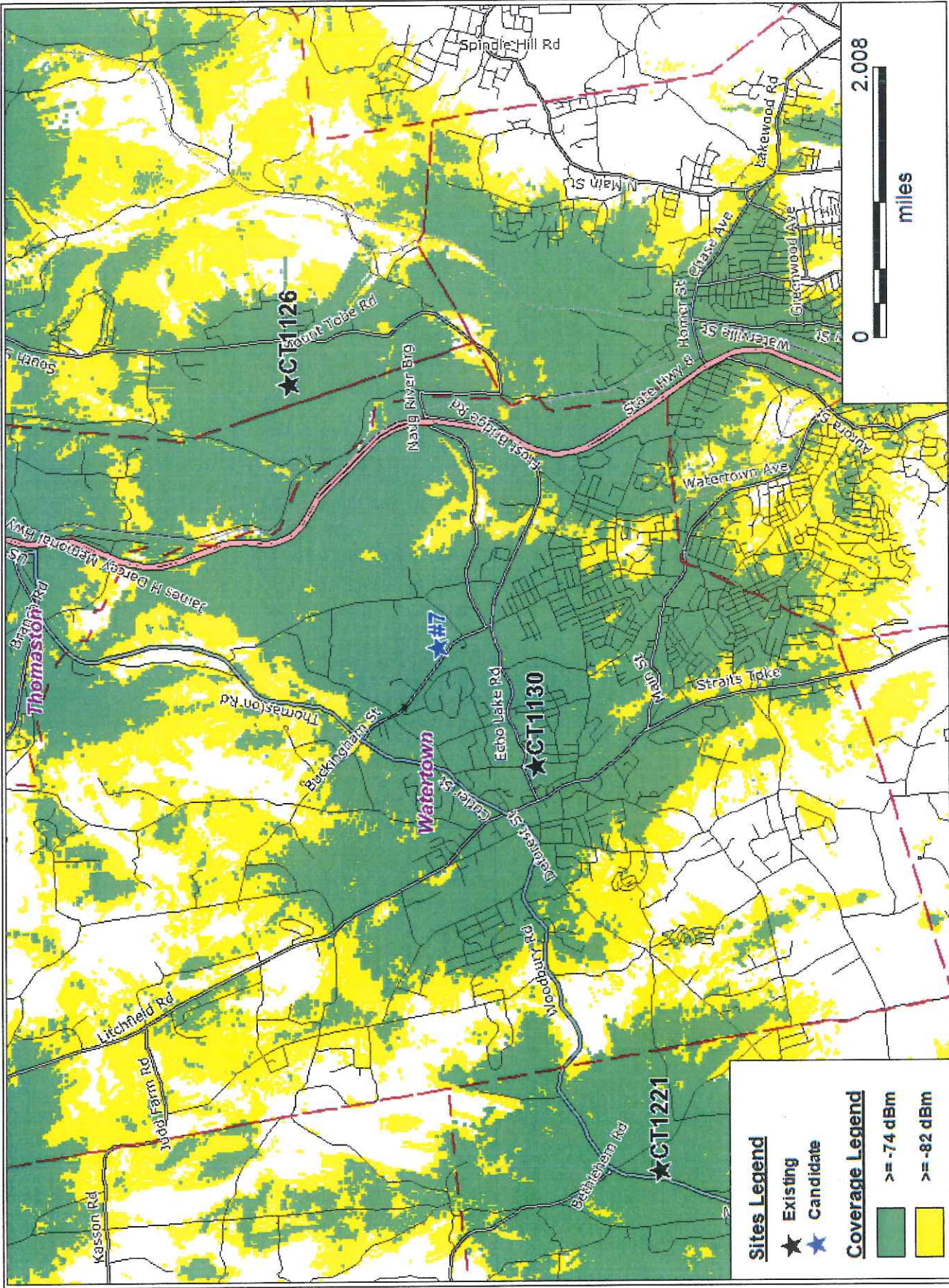
LISA D. ISABELLA
Notary Public, State of New York
No. 011S6198265
Qualified in Schenectady County
Commission Expires Dec. 15, 2012

TAB 3



- Sites Legend**
- ★ Existing
 - ★ #4 Candidate
- Coverage Legend**
- Green: >= -74 dBm
 - Yellow: >= -82 dBm

Composite Coverage: #4 - 1206 Bassett Rd., Watertown, CT - (Map 24/Block 28/Lot 2) @ 150ft



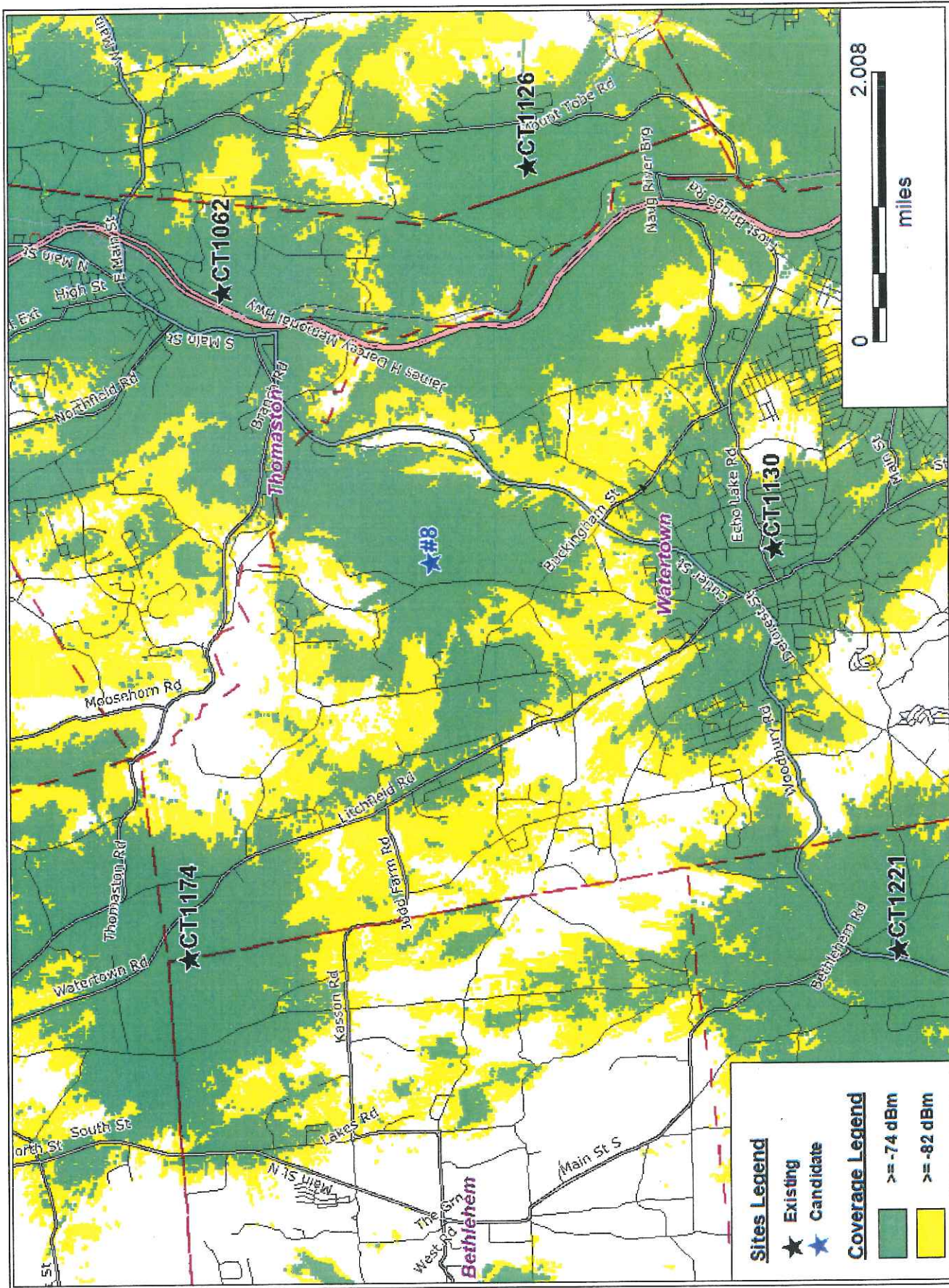
Sites Legend

- ★ Existing
- ★ Candidate

Coverage Legend

- >= -74 dBm
- >= -82 dBm

Composite Coverage: #7 - 0 Buckingham St. Ext., Watertown, CT - (Map 90/Block 89/Lot 5A) @ 150ft



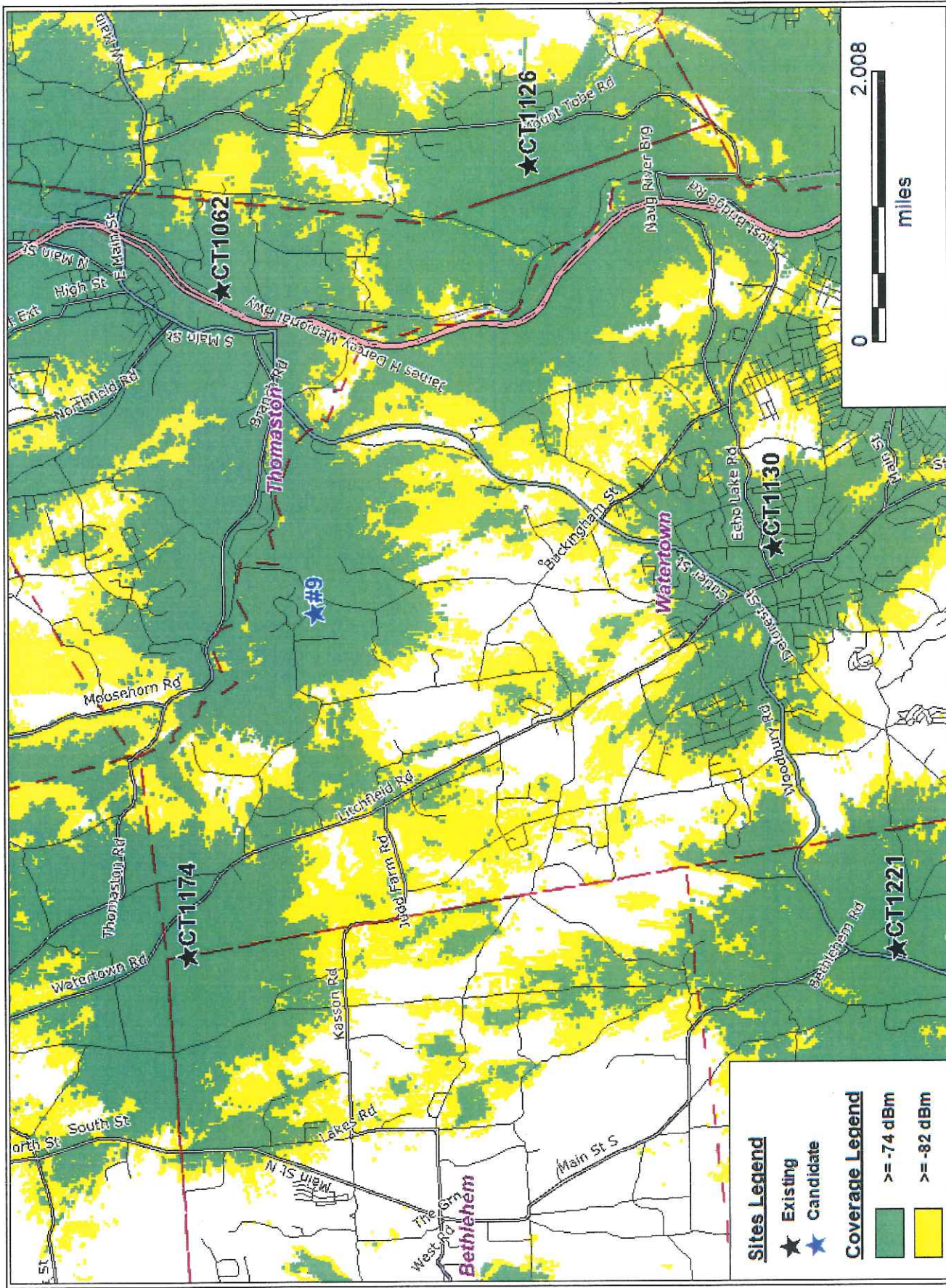
Sites Legend

- ★ Existing
- ★ Candidate

Coverage Legend

- >= -74 dBm
- >= -82 dBm

Composite Coverage: #8 - 0 Thomaston Rd., Watertown, CT - (Map 40/Block 86/Lot 26) @ 150ft



Sites Legend

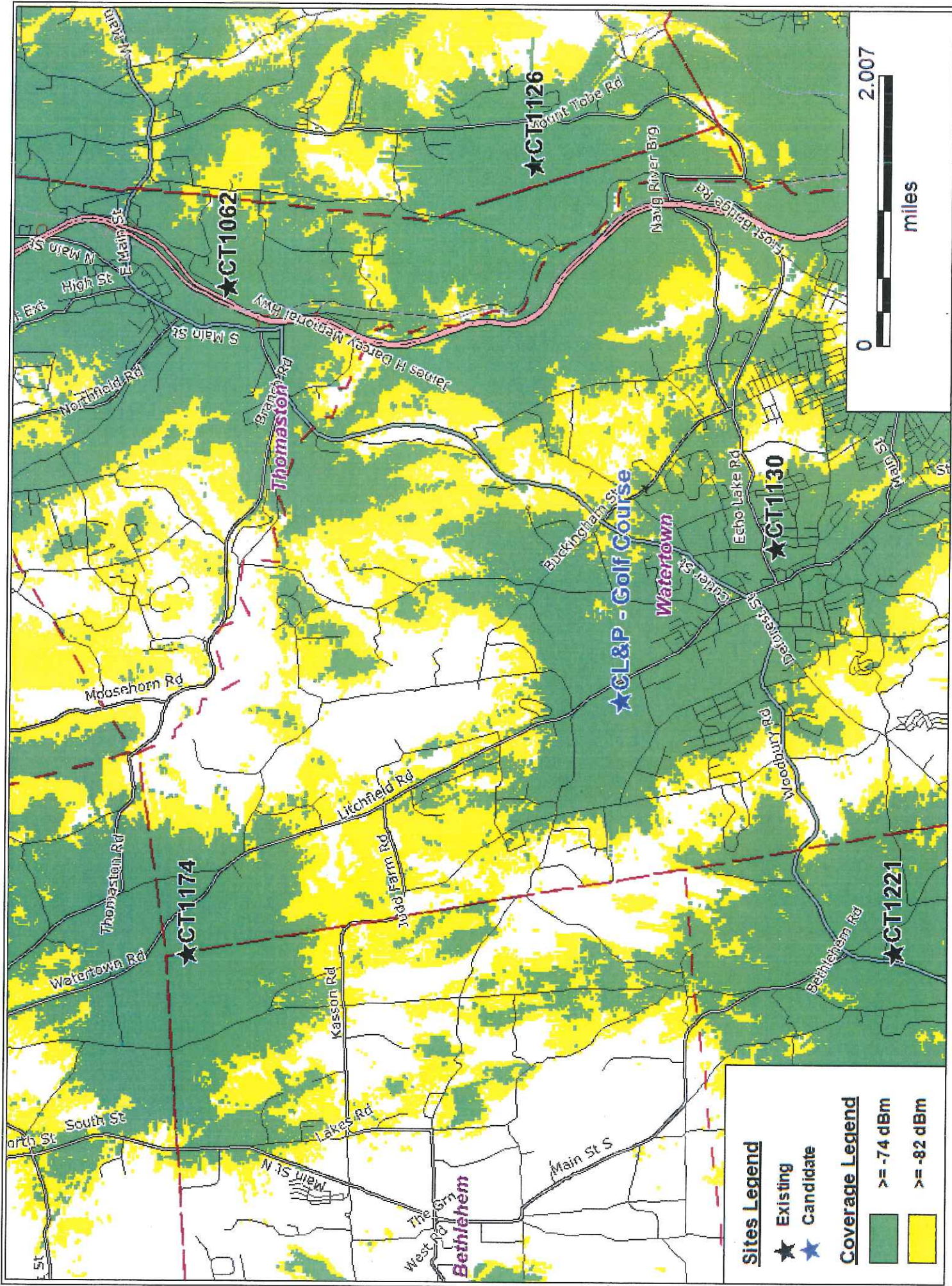
- ★ Existing
- ★ Candidate

Coverage Legend

- Green: ≥ -74 dBm
- Yellow: ≥ -82 dBm

Composite Coverage: #9 - 1150 Bassett Rd., Watertown, CT - (Map 10/Block 26/Lot 2A) @ 150ft

TAB 4



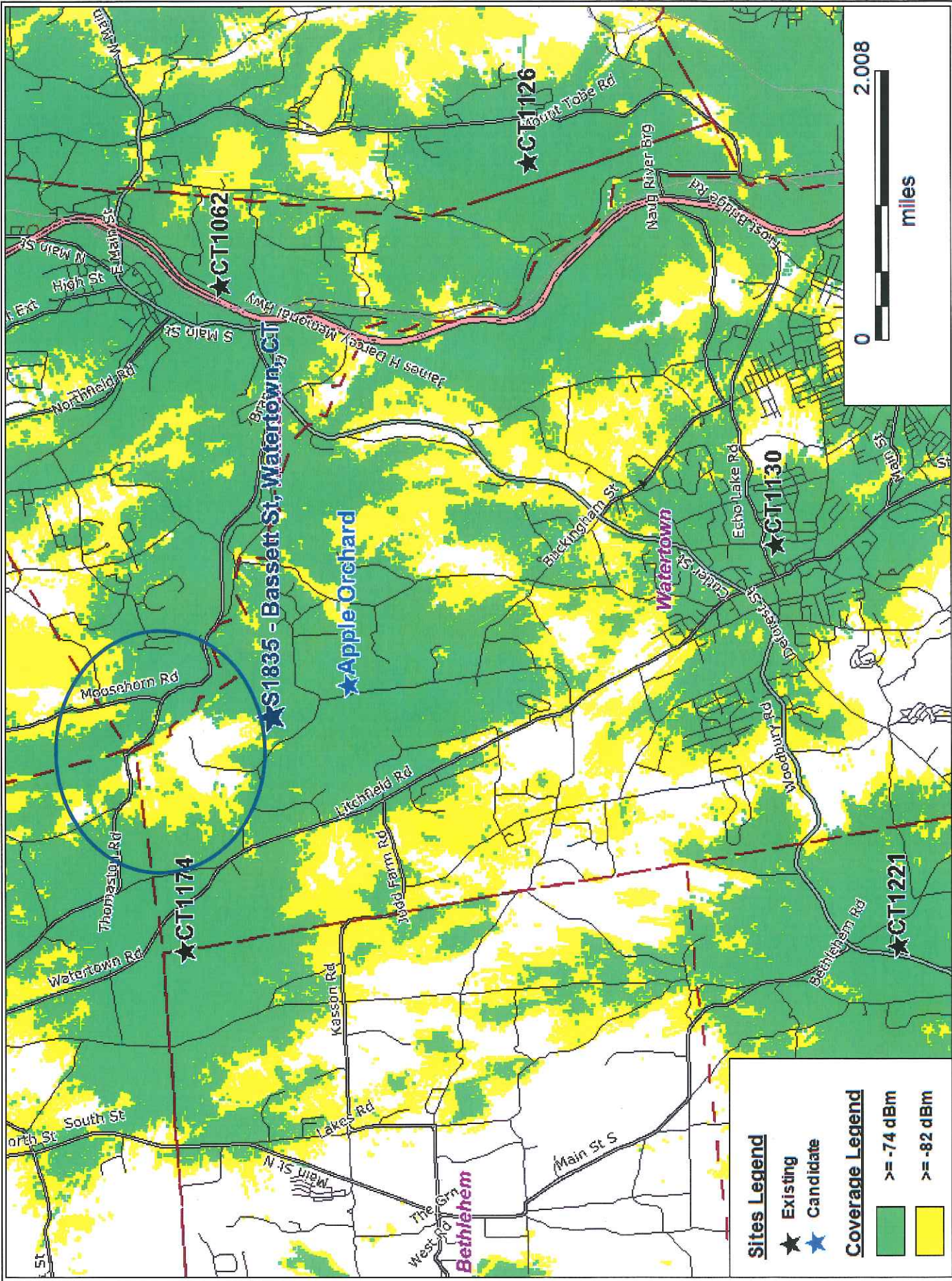
Sites Legend

- ★ Existing
- ★ Candidate

Coverage Legend

- ≥ -74 dBm
- ≥ -82 dBm

Composite Coverage: CL&P - Golf Course @ 190ft



Composite Coverage: Apple Orchard @ 190ft

1 A B 5

AT&T's Existing Surrounding Sites

Existing Site_ID	Longitude	Latitude	Address	City	State	Structure	Status	Antenna Centerline (ft)	Distance to Primary Candidate (mi)
CT1056	-73.05367	41.69308	North Street	Plymouth	CT	Monopole	On_Air	186	4.92
CT1062	-73.07432	41.66346	580 Chapel St	Thomaston	CT	Water Tank	On_Air	142	3.24
CT1126	-73.05651	41.63003	170 Mount Tobe Rd	Plymouth	CT	Monopole	On_Air	108	4.56
CT1130	-73.11167	41.60333	76 Westbury Park Rd	Watertown	CT	Smokestack	On_Air	133	3.99
CT1161	-73.09530	41.57000	Georgetown Drive	Watertown	CT	Water Tank	On_Air	103	6.44
CT1174	-73.17049	41.66724	310 Watertown Rd	Morris	CT	Lattice Tower	On_Air	165	1.86
CT1221	-73.16987	41.58994	1440 North Main St	Woodbury	CT	Monopole	On_Air	120	5.01

TABLE

DEDICATION AGREEMENT

Connecticut Open Space Project Number 314

Town of Watertown - The Crestbrook Park

Vol: 249
Pg: 5

TO ALL PEOPLE TO WHOM THESE PRESENTS SHALL COME, GREETING:

KNOW YE, THAT the TOWN OF WATERTOWN, a municipal corporation, specially chartered under the laws of the State of Connecticut and located within Litchfield County in said State, hereinafter called "TOWN", has purchased certain land within said Town, which land is more fully described as follows:

BEING the same and all the same property conveyed to the Town of Watertown, a municipal corporation in the County of Litchfield and State of Connecticut by the Crestbrook Country Club, Inc., a corporation with offices in the Town of Watertown, County of Litchfield and State of Connecticut, by virtue of Warrantee Deed dated April 14, 1975, recorded on April 14, 1975 in the Land Records of the Town of Watertown, County of Litchfield and State of Connecticut in Volume 206, Pages 174 to 179. Said Parcel contains 232.45 acres and is more fully shown on a map entitled, "Crestbrook Country Club, Northfield Road, Watertown, Conn.", Scale: 1" = 200', certified substantially correct by Robert T. Dayton, a registered Land Surveyor #8157 and filed in the Land Records of the Town of Watertown, County of Litchfield and State of Connecticut, as Map #1782.

WHEREAS, the Town intends to use said land for recreation and conservation purposes as defined in Section 7-131c of the General Statutes of Connecticut, Revision of 1958, Revised to 1975, as amended.

WHEREAS, the Town has received a State grant-in-aid for the acquisition of said land for conservation, recreation and open space purposes.

NOW, THEREFORE, in consideration for said grant-in-aid, the Town covenants and agrees with the State of Connecticut, that said land shall not be conveyed or converted to any use other than recreation or conservation purposes (as defined in said Section 7-131c, as amended), except with the

approval by the Commissioner of the Department of Environmental Protection as provided in Section 7-131i of the General Statutes of Connecticut, Revision of 1958, Revised to 1975, as amended.

THAT the municipality will erect a plaque or sign permanent in nature on the subject property which acknowledges Land and Water Conservation Fund Project Assistance.

The contractor agrees and warrants that in the performance of this contract he will not discriminate or permit discrimination against any person or group of persons on the grounds of race, color, religious creed, age, marital status, national origin, sex or physical disability, including, but not limited to blindness, unless it is shown by such contractor that such disability prevents performance of the work involved in any manner prohibited by the laws of the United States or of the State of Connecticut, and further agrees to provide the Commission on Human Rights and Opportunities with such information requested by the Commission concerning the employment practices and procedures of the contractor as relate to the provisions of this section.

This contract is subject to the provisions of Executive Order No. Three of Governor Thomas J. Meskill promulgated June 16, 1971 and, as such, this contract may be cancelled, terminated or suspended by the State Labor Commissioner for violation of or noncompliance with said Executive Order No. Three, or any State or Federal law concerning nondiscrimination, notwithstanding that the Labor Commissioner is not a party to this contract. The parties to this contract, as part of the consideration hereof, agree that said Executive Order No. Three is incorporated herein by reference and made

a part hereof. The parties agree to abide by said Executive Order and agree that the State Labor Commissioner shall have continuing jurisdiction in respect to contract performance in regard to nondiscrimination, until the contract is completed or terminated prior to completion.

The contractor agrees, as part consideration hereof, that this contract is subject to the Guidelines and Rules issued by the State Labor Commissioner to implement Executive Order No. Three, and that he will not discriminate in his employment practices or policies, will file all reports as required, and will fully cooperate with the State of Connecticut and the State Labor Commissioner.

This contract is subject to the provisions of Executive Order No. Seventeen of Governor Thomas J. Meskill promulgated February 15, 1973, and as such, this contract may be cancelled, terminated or suspended by the contracting agency or the State Labor Commissioner for violation of or non-compliance with said Executive Order No. Seventeen, notwithstanding that the Labor Commissioner may not be a party to this contract. The parties to this contract, as part of the consideration hereof, agree that Executive Order No. Seventeen is incorporated herein by reference and made a part hereof. The parties agree to abide by said Executive Order and agree that the contracting agency and the State Labor Commissioner shall have joint and several continuing jurisdiction in respect to contract performance in regard to listing all employment openings with the Connecticut State Employment Service.

Said covenants and agreements shall run with the land in favor of the State of Connecticut and shall be binding upon the TOWN OF WATERTOWN, its successors and assigns.

IN WITNESS WHEREOF, the TOWN OF WATERTOWN has caused these presents to be executed and its seal to be hereunto affixed by James Troup, its Town Manager, hereunto duly authorized, this 19th day of January, 1978.

Signed, Sealed and Delivered in the Presence of:

TOWN OF WATERTOWN (Affix Seal)

Donald J. Stapanek
Donald J. Stapanek

By James Troup (LS)
James Troup
Its Town Manager
Duly Authorized

John L. Salomona
John L. Salomona

STATE OF CONNECTICUT)
) ss: TOWN OF WATERTOWN
COUNTY OF LITCHFIELD)

The foregoing instrument was acknowledged before me this 19th day of January, 1978, by James Troup, its Town Manager of the Town of Watertown, on behalf of the Town of Watertown.

17173
RECORDED
DATE 1-24-78
TIME 8:30 A.M.
Gregory B. Canty

J. P. Vestino
NOTARY PUBLIC
Doretta P. Vestino
My Commission Expires: April 1, 1979

LAB 7



Mark Kiburz, PWS, CPESC
Wetland Ecologist

Mr. Kiburz is a Wetland Ecologist with over 12 years of experience in environmental consulting. As a Professional Wetland Scientist and Certified Professional in Erosion and Sedimentation Controls, his experience includes extensive work in the areas of ecological hazard impact assessments, wetland delineation/permitting and wildlife related studies. In addition to his wetland and wildlife related experience, Mr. Kiburz has also acquired experience working within the regulatory framework of EPA Standard 40 C.F.R. 312 (Practices for All Appropriate Inquiries), ASTM E1527-05 (Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process), and the National Environmental Policy Act (NEPA).

EXPERIENCE

Wetland Delineation Techniques

- ARMY Corps of Engineers 1987 Wetland Delineation Manual
- Interim Regional Supplement to the Corps of Engineers Wetland Delineation Manual
- Connecticut General Statutes Section 22a-36 through 22a-45 and associated local Conservation Conservation Commissions By Laws
- Massachusetts Bordering Vegetated Wetland Delineation Criteria and Methodology
- Maine Natural Resources Protection Act
- NYS Article 24 Freshwater Wetland Regulations and NYS Article 15 Bed and Bank Disturbance Regulations

Wetland and Stream Related Experience

- Design and implementation of wetland mitigation measures throughout New York State
- Stream restoration design and oversight for exposed pipelines at sites throughout New York and Pennsylvania
- Wetland delineations using approved ACOE methodology
- Identification of stream characteristics and identify potential species
- Various wetland permitting throughout the Northeast US
- Delineation of wetlands and acquired federal, state and local municipalities in: Arkansas, Connecticut, Pennsylvania, Rhode Island, New Hampshire, New York, Maryland, Massachusetts, Maine, and Vermont
- Review and determination of stream bed and bank protection measures

Threatened and Endangered Experience

- Blanding turtle habitat management and preservation
- Karner blue butterfly habitat review
- Timber rattlesnake habitat review and handling
- Henslow sparrow habitat management
- Bald Eagle habitat protection
- Hitchcock sedge review
-

Wildlife Experience

- Visual Identification
Birds, mammals, fish, frogs, toads, salamanders, turtles, invertebrates, tree, shrubs, upland herbaceous vegetation, wetland herbaceous vegetation and plant pathogens.
- Audible Identification
Mammalian, avian and herpetological species.



Mark Kiburz, PWS, CPESC
Wetland Ecologist

-
- Conservation Practices
Installation of beaver control devices, prescribed fire management, forestry management, invasive species management (vegetative and invertebrate) planning, threatened and endangered species habitat protection through deed restrictions, land sales, and buffers establishment.
 - Wildlife Handling Experience
Snakes, mammals, birds (song birds to raptors), amphibians and reptiles.
 - Wildlife Sampling Techniques
Clover leaf trapping (grouse and deer), activity budgets, fish, bird and mammal stomach analysis, mist netting, bird banding, salamander board study, wild turkey trapping, radio tracking, seining, vegetation plot sampling, aging and sexing avian species, tranquilizing species, deer aging, mammal trapping, white-tail deer fecal counts and nutritional bone marrow studies.

CERTIFICATIONS

Professional Wetland Scientist
Certified Professional in Erosion and Sedimentation Controls

EDUCATION

State University of New York College of Agriculture and Technology, Cobleskill, NY
-Bachelor of Technology, Wildlife Management
-Associate in Applied Science, Fisheries and Wildlife Technology

1 AB 8



New York Office
11 Herbert Drive
Latham, NY 12110
Phone: (518) 690-0790
Fax: (518) 690-0793
www.infinigy.com

November 8, 2011

Dan Shriver
Site Development Manager
TARPON TOWERS, LLC
Florida Tower Partners, LLC Subsidiary
1001 3rd Ave West - Ste 420
Bradenton, FL 34205
Office: (941) 757-5010 ext 109

**RE: Proposed Telecommunications Facility; "CT1140 - Watertown",
Located at 655 Bassett Road, Watertown, CT 06795
Lightening and Grounding Design**

Dear Mr. Shriver,

Per the request of members of the public and the Connecticut Siting Council (CSC) during our October 27, 2011 presentation and hearing, questions regarding lightening and grounding systems were raised. Pertaining to those questions, I offer the following:

1. The tower site is designed in accordance with the industry grounding standard which was developed by Motorola and goes by the general term of R56 Grounding.
2. The design acknowledges the height of a tower and the extension above the tree line which makes it prone to receiving occasional lightening strikes. This is similar in manner to agricultural barns which typically are the highest structure in an area.
3. The design of each of the tower sites has a 5-foot lightening rod at the top of the tower. This rod takes the lightening strike and directs it through a copper cable to the bottom of the tower. At that point, the strike is dissipated into a ring of underground cabling attached to a number of ground rods. The number and location of the ground rods are specific to the soil and rock encountered on the site.
4. R56 standards require a resistance to be no more than 5 ohms. All improvements on the site including fencing, equipment and the tower are connected into the same grounding grid such that the entire site is at the same potential.
5. Compare this design to a residential meter on a house. At that location is a ground wire connected to a single copper ground rod driven into the ground.
6. The entire design enables the lightening strike to hit the tower and dissipate harmlessly into the ground.

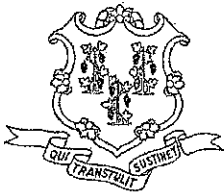
Should you have any questions or comments regarding the above pricing, please do not hesitate to contact me directly at the above listed office.

Sincerely,

A handwritten signature in black ink, appearing to read "John Stevens", written over a white background.

John S. Stevens, PE
Infinigy Engineering PLLC

Tab 9



STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

December 9, 2011

Ms. Lucia Chiocchio
Cuddy & Feder, LLP
445 Hamilton Avenue, 14th Floor
White Plains, New York 10601

RE: Connecticut Siting Council Docket No. 422: North Atlantic Towers, LLC and New Cingular Wireless PCS, LLC application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and management of a telecommunications facility located at 655 Basset Road, Watertown, CT

Dear Ms. Chiocchio:

This office is in receipt of your letter dated October 3, 2011 which acknowledged our comments and recommendations dated September 15, 2011 for the above referenced project and sent to Linda Roberts of the Connecticut Siting Council. Included with your correspondence was a copy of a letter from John Favreau of Infinigy Engineering to your client, Dan Shriver, of North Atlantic Towers dated August 9, 2011 which outlined the precautions, monitoring and notifications to be exercised as part of the telecommunications facility project in a public water supply watershed (Wigwam Reservoir Watershed).

We appreciate your response and the information contained within and were pleased with the protection measures Mr. Favreau suggested. As you mentioned, his protection plan references many of the recommendations we offered, specifically:

- A comprehensive Erosion & Sedimentation Control plan including daily inspections by a responsible party of said controls and weekly inspections utilizing a thorough Erosion & Sedimentation Control Site Inspection Form/Stormwater Inspection Checklist;
- A comprehensive Spill Prevention plan, and
- Notification to the City of Waterbury and the Connecticut Siting Council for pre-construction project details.

Even with the Spill Prevention Plan in place, we continue to recommend that any servicing of machinery be completed outside of the watershed; refueling of vehicles or machinery take place on an impervious pad with secondary containment; and fuel and other hazardous materials be stored outside of the watershed or on an impervious surface utilizing secondary containment.



Phone: (860) 509-7333
Telephone Device for the Deaf (860) 509-7191
410 Capitol Avenue - MS # 51WAT
P.O. Box 340308 Hartford, CT 06134
Affirmative Action / An Equal Opportunity Employer

Ms. Chiocchio
Page 2
December 9, 2011

Thank you again for your response and our opportunity to comment. If you have any questions, please contact Kimberly Wholean at (860) 509-7333.

Sincerely,

A handwritten signature in black ink, appearing to read 'Eric McPhee', with a long horizontal line extending to the right.

Eric McPhee
Supervising Environmental Analyst
Drinking Water Section

CC: Linda Roberts, Connecticut Siting Council
John Favreau, Infinigy Engineering
Donald J. Carver, Acting Superintendent, City of Waterbury Bureau of Water